

APS

FILE 'USPAT' ENTERED AT 08:53:06 ON 10 OCT 96

L1 55095 ENZYM?
L2 26231 RECOMBIN?
L3 167958 KIT# OR PACKAG?
L4 51 L1 (25A) L2 (25A) L3

=> d occ 1-51

US PAT NO: 5,552,536 [IMAGE AVAILABLE] L4: 1 of 51

=> d kwic 1-51

L5 4377 ENZYME# (5A) (TWO OR THREE OR FOUR OR FIVE)
L6 61 L5 (25A) RECOMBINANT
L7 60 L6 NOT L4

=> d occ 1-60

US PAT NO: 5,556,778 [IMAGE AVAILABLE] L7: 1 of 60

=> d kwic 1-60

U.S. Patent & Trademark Office SESSION SUSPENDED AT 09:07:25 ON 10 OCT 199
6

STN

*****STN Columbus*****
FILE 'HOME' ENTERED AT 09:08:15 ON 10 OCT 96

=> s (kit# or packag?) and (enzyme# (5a) recombinant)

29 FILES HAVE ONE OR MORE ANSWERS, 59 FILES SEARCHED IN STNINDEX

L1 QUE (KIT# OR PACKAG?) AND (ENZYME# (5A) RECOMBINANT)

=> file hits

=> s l1

L2 285 FILE USPATFULL
L3 121 FILE CJACS
L4 30 FILE BIOTECHDS
L5 26 FILE PROMT
L6 21 FILE MEDLINE
L7 18 FILE BIOSIS
L8 13 FILE CAPLUS
L9 11 FILE EMBASE
L10 9 FILE SCISEARCH
L11 7 FILE LIFESCI
L12 6 FILE WPIDS
L13 5 FILE CANCERLIT
L14 4 FILE AIDSLINE
L15 4 FILE TOXLIT
L16 3 FILE CABA
L17 3 FILE DGENE
L18 3 FILE PHIN
L19 2 FILE CEN
L20 2 FILE CIN
L21 2 FILE JPNEWS
L22 1 FILE CEABA
L23 1 FILE DISSABS
L24 1 FILE DRUGU
L25 1 FILE FSTA
L26 1 FILE IFIPAT
L27 1 FILE JICST-EPLUS

TOTAL FOR ALL FILES

L28 581 L1

=> dup rem

ENTER L# LIST OR (END):16-127,14,15

DUPLICATE IS NOT AVAILABLE IN 'DGENE'. ANSWERS FROM THESE FILES WILL BE
CONSIDERED UNIQUE

L29 117 DUP REM L6-L27,L4,L5 (58 DUPLICATES REMOVED)
ANSWERS '1-21' FROM FILE MEDLINE
ANSWERS '22-27' FROM FILE BIOSIS
ANSWERS '28-34' FROM FILE CAPLUS
ANSWER '35' FROM FILE EMBASE
ANSWER '36' FROM FILE SCISEARCH
ANSWERS '37-42' FROM FILE WPIDS
ANSWERS '43-44' FROM FILE TOXLIT
ANSWER '45' FROM FILE CABA
ANSWERS '46-48' FROM FILE DGENE
ANSWERS '49-51' FROM FILE PHIN
ANSWERS '52-53' FROM FILE CEN
ANSWERS '54-55' FROM FILE CIN
ANSWERS '56-57' FROM FILE JPNEWS
ANSWER '58' FROM FILE CEABA
ANSWER '59' FROM FILE DISSABS
ANSWER '60' FROM FILE DRUGU
ANSWER '61' FROM FILE FSTA
ANSWER '62' FROM FILE IFIPAT
ANSWERS '63-91' FROM FILE BIOTECHDS

ANSWERS '92-117' FROM FILE PROMT

=> d ti 1-117

=> d bib abs 61,69

L29 ANSWER 61 OF 117 FSTA COPYRIGHT 1996 IFIS

AN 95(11):B0079 FSTA FS FSTA

TI Use of enzymes/proteins in the food industry.

AU Fordham, J. R.

CS IFT Annual Meeting 1995; Novo Nordisk BioIndustrials Inc., 33 Turner Rd., Danbury, CT 06813-1907, USA

SO (1995) p. 63.

DT Conference (Symposium)

LA English

AB Sources and methods of manufacture of enzyme preparations and their use in the food processing/ ***packaging*** industry are outlined, as are potential hazards associated with use of enzymes and other soluble proteins (e.g. skin irritation, allergies) and means of minimizing these risks. Existing guidelines for assessment of human and environmental safety of enzymes used in food processing, and their application to ***enzymes*** generated by ***recombinant*** DNA techniques, are considered. [Further abstracts from this Meeting can be traced via the FSTA author index, under IFT Annual Meeting 1995. See FSTA (1995) 27 10A6. From En summ.] (LJW)

=> index bioscience patents

=> s composition# (10a) enzyme# (10a) recombinant

25 FILES HAVE ONE OR MORE ANSWERS, 59 FILES SEARCHED IN STNINDEX

L1 QUE COMPOSITION# (10A) ENZYME# (10A) RECOMBINANT?

=> file hits

=> s l1

L2 19 FILE USPATFULL
L3 16 FILE BIOTECHDS
L4 9 FILE CAPLUS
L5 8 FILE BIOSIS
L6 7 FILE CEABA
L7 7 FILE MEDLINE
L8 6 FILE DGENE
L9 6 FILE SCISEARCH
L10 4 FILE DISSABS
L11 4 FILE PATOSWO
L12 3 FILE EMBASE
L13 3 FILE LIFESCI
L14 3 FILE PATOSEP
L15 2 FILE BIOBUSINESS
L16 2 FILE CANCERLIT
L17 2 FILE IFIPAT
L18 1 FILE CABA
L19 1 FILE CJACS
L20 1 FILE FSTA
L21 1 FILE PROMT
L22 1 FILE TOXLINE
L23 1 FILE DPCI
L24 1 FILE WPIDS

TOTAL FOR ALL FILES

L25 108 L1

=> dup rem

ENTER L# LIST OR (END):17-124,14-16

DUPLICATE IS NOT AVAILABLE IN 'DGENE, DPCI'. ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

L26 51 DUP REM L7-L24,L4-L6 (22 DUPLICATES REMOVED)

ANSWERS '1-7' FROM FILE MEDLINE
ANSWERS '8-13' FROM FILE DGENE
ANSWER '14' FROM FILE SCISEARCH
ANSWERS '15-18' FROM FILE DISSABS
ANSWERS '19-22' FROM FILE PATOSWO
ANSWERS '23-24' FROM FILE LIFESCI
ANSWERS '25-27' FROM FILE PATOSEP
ANSWERS '28-29' FROM FILE IFIPAT
ANSWER '30' FROM FILE CABA
ANSWER '31' FROM FILE CJACS
ANSWER '32' FROM FILE PROMT
ANSWER '33' FROM FILE DPCI
ANSWER '34' FROM FILE WPIDS
ANSWERS '35-43' FROM FILE CAPLUS
ANSWERS '44-45' FROM FILE BIOSIS
ANSWERS '46-51' FROM FILE CEABA

=> d ti 1-51

=> d bib abs 21,27,30,50

L26 ANSWER 21 OF 51 PATOSWO COPYRIGHT 1996 WILA
AN 91:17518 PATOSWO ED 920522 EW 9105 FS OS
TI ENZYMES AND ENZYMATIC DETERGENT COMPOSITIONS.
IN BATENBURG, AMIR, MAXIMILIAAN, NL;
EGMOND, MAARTEN, ROBERT, NL;
FRENKEN, LEON, GERARDUS, JOSEPH, NL;
VERRIPS, CORNELIS, THEODURUS, NL
PA UNILEVER NV, NL;
UNILEVER PLC, GB
SO PCT-GAZETTE-910124
DT Patent
LA Application in English
DS W BR; W CA; W JP; W US;
PIT WOA1 PCT-PUBLICATION
PI WO 9100910 A1 910124
OD 910124
AI WO 90-GB1052 900706
PRAI GB 89-15658 890707

L26 ANSWER 27 OF 51 PATOSEP COPYRIGHT 1996 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 90:204742 PATOSEP ED 920127 EW 9102 FS OS
TIEN Enzymes and enzymatic detergent compositions.
TIDE Enzyme und enzymhaltiges Reinigungsmittel.
TIFR Enzymes et compositions detergentes enzymatiques.
IN Batenburg, Amir Maximiliaan, Unilever Research, Vlaardingen
Laboratory, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen, NL;
Egmond, Maarten Robert, Unilever Research, Vlaardingen Laboratory,
Olivier van Noortlaan 120, NL-3133 AT Vlaardingen, NL;
Frenken, Leo Gerardus Joseph, Unilever Research, Vlaardingen
Laboratory, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen, NL;
Verrips, Cornelis Theodorus, Unilever Research, Vlaardingen
Laboratory, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen, NL
PA UNILEVER PLC, Unilever House Blackfriars P.O. Box 68, London EC4P
4BQ, GB, in GB;
UNILEVER NV, Burgemeester s'Jacobplein 1 P.O. Box 760, NL-3000 DK
Rotterdam, NL, in CH, DE, ES, FR, IT, LI, NL, SE
PAN 200929; 200919
AG Stancliffe, Terence Christopher et al, UNILEVER PLC Patents
Division P.O. Box 68 Unilever House, London EC4P 4BQ, GB

AGN 36311
OS ESP1991004 EP 0407225 A1 910109
SO Wila-EPZ-1991-H02-T1
DT Patent
LA Anmeldung in Englisch; Veroeffentlichung in Englisch
DS R CH; R DE; R ES; R FR; R GB; R IT; R LI; R NL; R SE
PIT EPA1 EUROPÄISCHE PATENTANMELDUNG
PI EP 407225 A1 910109
OD 910109
AI EP 90-307440 900706
PRAI GB 89-15658 890707

L26 ANSWER 30 OF 51 CABA COPYRIGHT 1996 CABI
AN 88:113299 CABA
DN 880430237
TI Trends in the production of milk-clotting enzymes
AU Yakunitskaya, L. M.; Samartsev, M. A.
CS All Union Res. Inst. of Pure Biochem., Leningrad, USSR.
SO Biotekhnologiya, (1987) Vol. 3, No. 5, pp. 586-591. 46 ref.
ISSN: 0234-2758

DT Journal
LA Russian
SL English
AB This review briefly summarizes the main approaches to the production of substitutes for natural calf rennin (chymosin) for cheesemaking: mammalian ***enzyme*** ***compositions***, microbial substitutes, chemically modified ***enzymes*** and products of ***recombinant*** DNA technology.

L26 ANSWER 50 OF 51 CEABA COPYRIGHT 1996 DECH/RSC/FIZC
AN 91:6115890 CEABA
TI Enzymes and enzymic detergent compositions.
AU Batenburg, A. M.; Egmond, M. R.; Frenken, L. G. J.; Verrips, C. T.
(Unilever plc; Unilever NV, London EC4 4BQ; NL-3000 DK Rotterdam, UK; Netherlands)
SO European Patent Appl. (1991) EP 0407225(Apl. GB 8915658, Filed 7 Jul 1989)
CODEN: EPXXDW

DT Patent
LA Englisch
AB Lipase enzymes including mutant lipase enzymes, e.g. from Pseudomonas species are produced and modified by recombinant DNA techniques. The enzymes are applicable in detergent and cleaning compositions, with advantages of improved stability to proteolytic digestion.

STN INTERNATIONAL SESSION SUSPENDED AT 12:05:34 ON 10 OCT 1996